

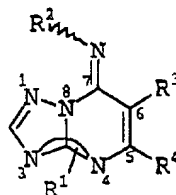
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Claims:

1. Compounds of formula I

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I

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in which

15 R^1 is C_1 - C_{10} -alkyl, C_1 - C_6 -alkoxy- C_1 - C_6 -alkyl, C_3 - C_8 -cycloalkyl- C_1 - C_6 -alkyl, C_2 - C_{10} -alkenyl, C_2 - C_{10} -alkynyl, C_4 - C_{10} -alkadienyl, C_1 - C_{10} -haloalkyl, trihydrocarbylsilyl, formyl, C_1 - C_{10} -alkanoyl or C_1 - C_{10} -alkoxycarbonyl group being attached either to the nitrogen in the 3- or 4-position;

20 R^2 is hydrogen, C_1 - C_{10} -alkyl, C_2 - C_{10} -alkenyl, C_2 - C_{10} -alkynyl, C_4 - C_{10} -alkadienyl, C_1 - C_{10} -haloalkyl, C_3 - C_6 -cycloalkyl, C_8 - C_{14} -bicycloalkyl, phenyl, naphthyl, 5- or 6-membered heteroaryl or heterocyclic groups containing one to four nitrogen atoms or one to three nitrogen atoms and one sulfur or oxygen atom as ring members;

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R^3 is phenyl, C_3 - C_6 -cycloalkyl or 5- or 6-membered heteroaryl containing besides carbon atoms one to four nitrogen atoms or one to three nitrogen atoms and one sulfur or oxygen atom as ring members;

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R^4 is halogen, amino, C_1 - C_{10} -alkoxy, C_1 - C_{10} -haloalkoxy, C_1 - C_{10} -alkylamino or di- C_1 - C_{10} -alkylamino;

35 wherein the bent line indicates that the double Bond may be located between the 3- and 9- position or the 4- and 9-Position; and the zigzag line indicates that the groups connected may have the (E)- or (Z)-configuration;

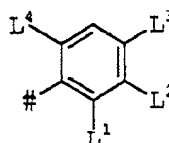
40 R^1 to R^4 groups independently from one another may be unsubstituted or substituted by one to three groups R^a .

45 R^a halogen, nitro, cyano, hydroxy, C_1 - C_6 -alkyl, C_3 - C_6 -cycloalkyl, C_3 - C_6 -cycloalkenyl, C_1 - C_6 -haloalkyl, C_3 - C_6 -halocycloalkyl, C_1 - C_6 -alkoxy, C_1 - C_6 -haloalkoxy, tri- C_1 - C_4 -alkylsilyl, phenyl, halo- or dihalo-phenyl or pyridyl.

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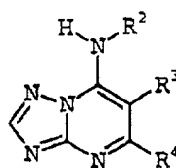
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2. Compounds of formula I according to claim 1 in which R¹ is a straight chained or branched C₁-C₆-alkyl, C₂-C₆-alkenyl or formyl.
- 5 3. Compounds of formula I according to claim 1 in which R² represents a straight chained or branched C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₃-C₈-cycloalkyl, C₅-C₈-bicycloalkyl or C₂-C₆-alkenyl.
- 10 4. Compounds of formula I according to claim 1 in which R³ represents optionally substituted phenyl.
5. Compounds of formula I according to claim 1 in which R⁴ represents halogen.
- 15 6. Compounds of formula I according to claim 1 in which R³ is an optionally substituted phenyl group of formula



wherein # denotes the bond to the triazolopyrimidine ring and

- 25 L¹ is fluoro, L² is hydrogen or fluoro, L³ is hydrogen or fluoro or methoxy and L⁴ is hydrogen, fluoro or chloro.
7. A process for the preparation of compounds of formula I as defined in claim 1 which comprises treating compounds of formula II
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II

in which R², R³ and R⁴ are as defined in claim 1;

with an alkylation agent of formula III



III

in which

- 45 R¹ is as defined in claim 1, and X represents a leaving group, in the presence of a base or a buffer system.

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8. A fungicidal composition having a first compound of formula I as defined in claim 1 wherein R¹ is at the 3-position, and a second compound of formula I wherein R¹ is at the 4-Position.
- 5 9. A fungicidal composition which comprises a carrier and a fungicidal effective amount of at least one compound of formula I as defined in claim 1.
10. A method for controlling harmful fungi, which comprises treating the fungi or the materials, plants, the soil or the seed to be protected against fungal attack with an effective amount of a compound of the formula I as claimed in claim 1.

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